

SPS Technical Breakout

PD2 version 4.2 Changes

Larry Faems (DSN) 596-6090



Topics

- 4.2 Upgrades Change Everything
- Sybase Central Changes
- New System Databases
- New Commands
- Passwords must be changed every 3 months



4.2 Upgrades Include

- Sybase Version 12.0
 - 64 table join leads to better reports
- Data conversion PD2 version 4.2
 - Site visit by AMS
- Client upgrades
 - AMS does 10, you do the rest

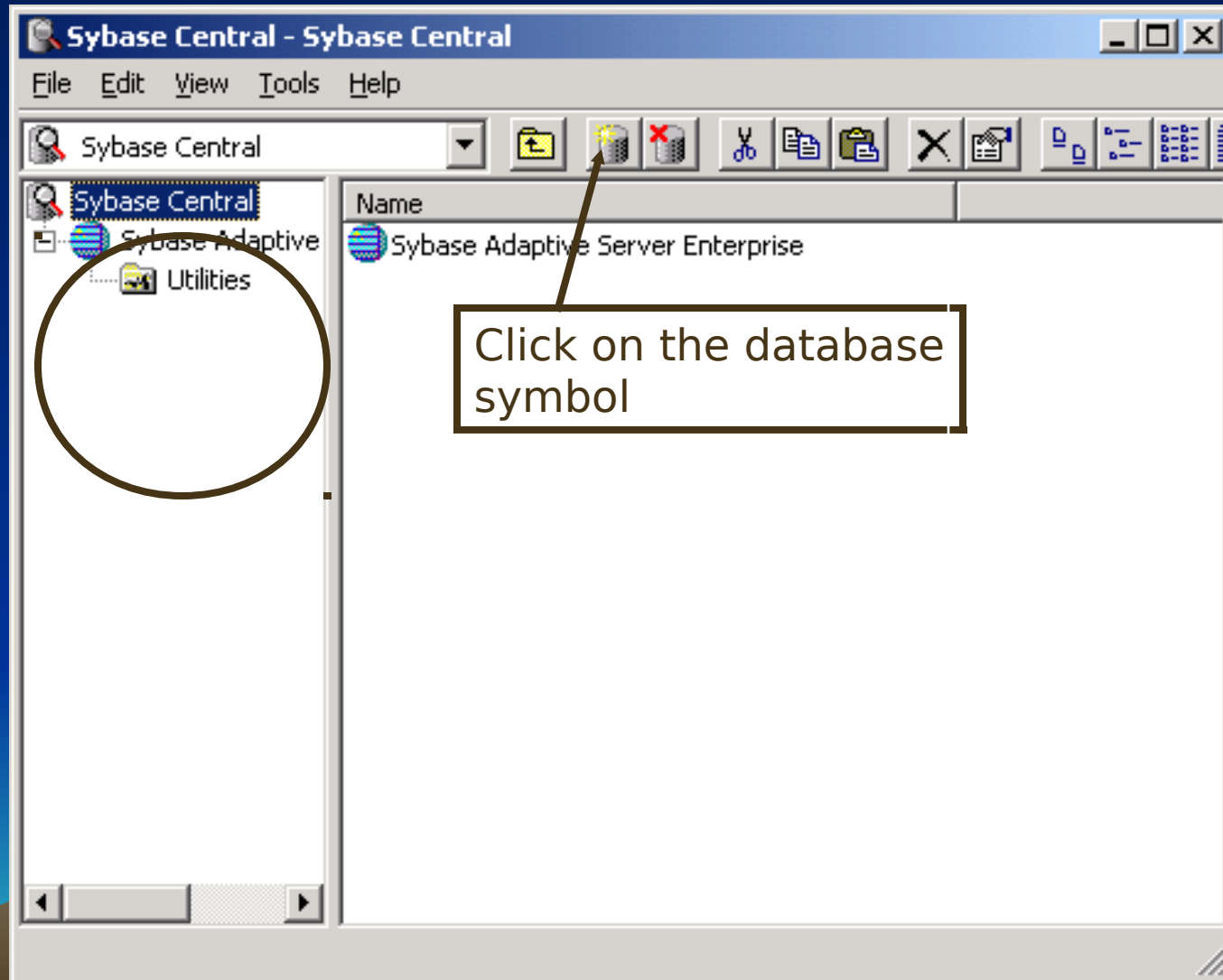


Sybase Central Changes

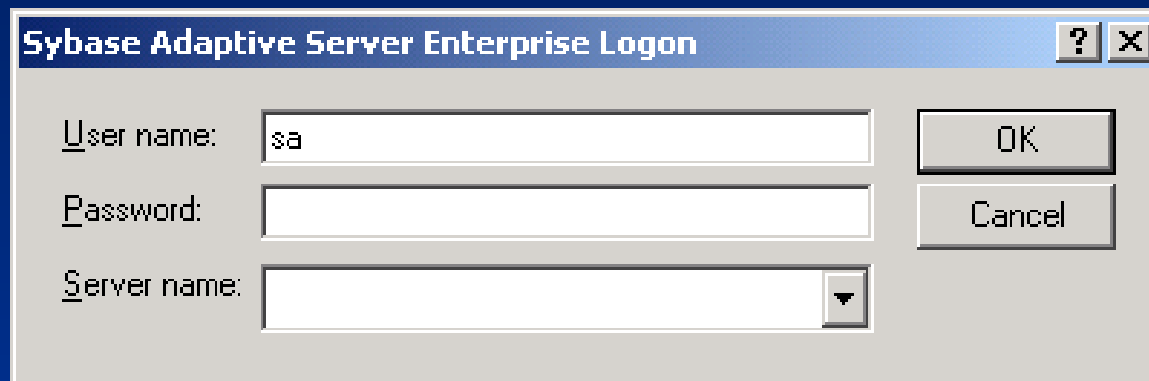
- Where'd the stop lights go?
- New databases
- New folders
- Changes to dumps
- SQL Advantage



Where'd the Stop Lights Go?



Login



A screenshot of a Windows-style dialog box titled "Sybase Adaptive Server Enterprise Logon". The dialog box has a light gray border and a blue title bar. Inside, there are three input fields: "User name:" with the text "sa", "Password:", and "Server name:". To the right of these fields are two buttons: "OK" and "Cancel". The "Server name:" field has a small downward arrow on its right side, indicating it is a dropdown menu. The background of the entire image is a dark blue gradient with a silhouette of a mountain range at the bottom.

Sybase Adaptive Server Enterprise Logon ? X

User name:

Password:

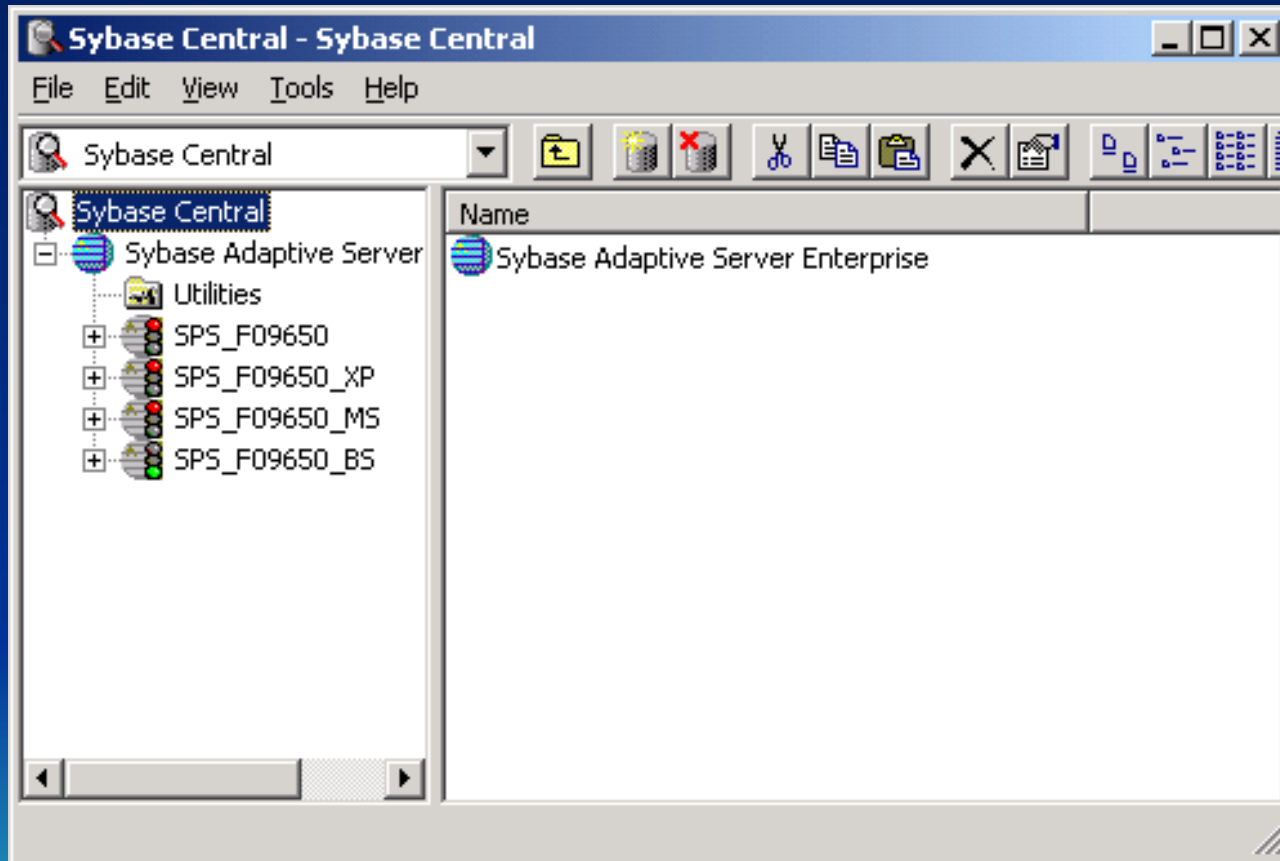
Server name:

OK

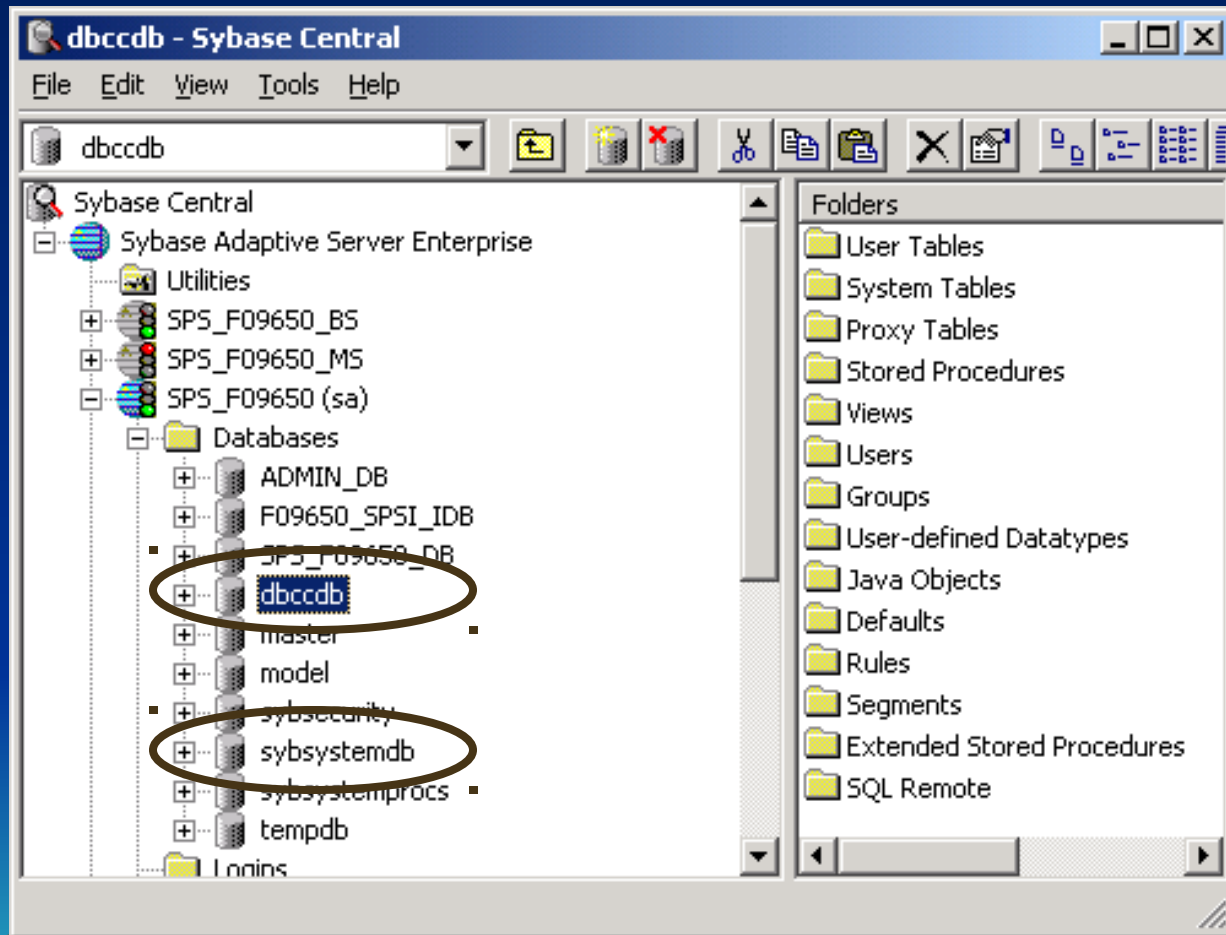
Cancel

Stoplights Appear

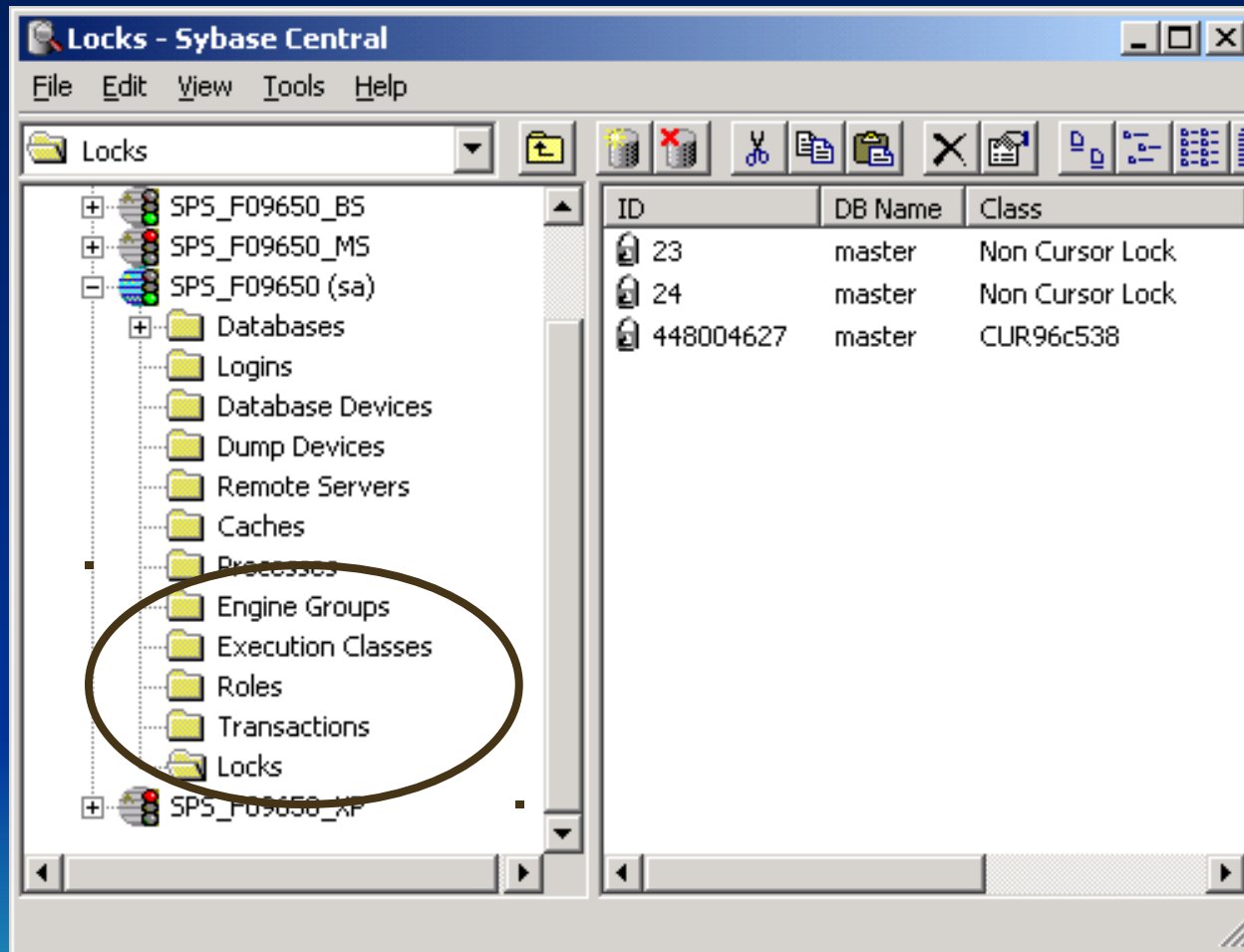
Next time you use they will be there



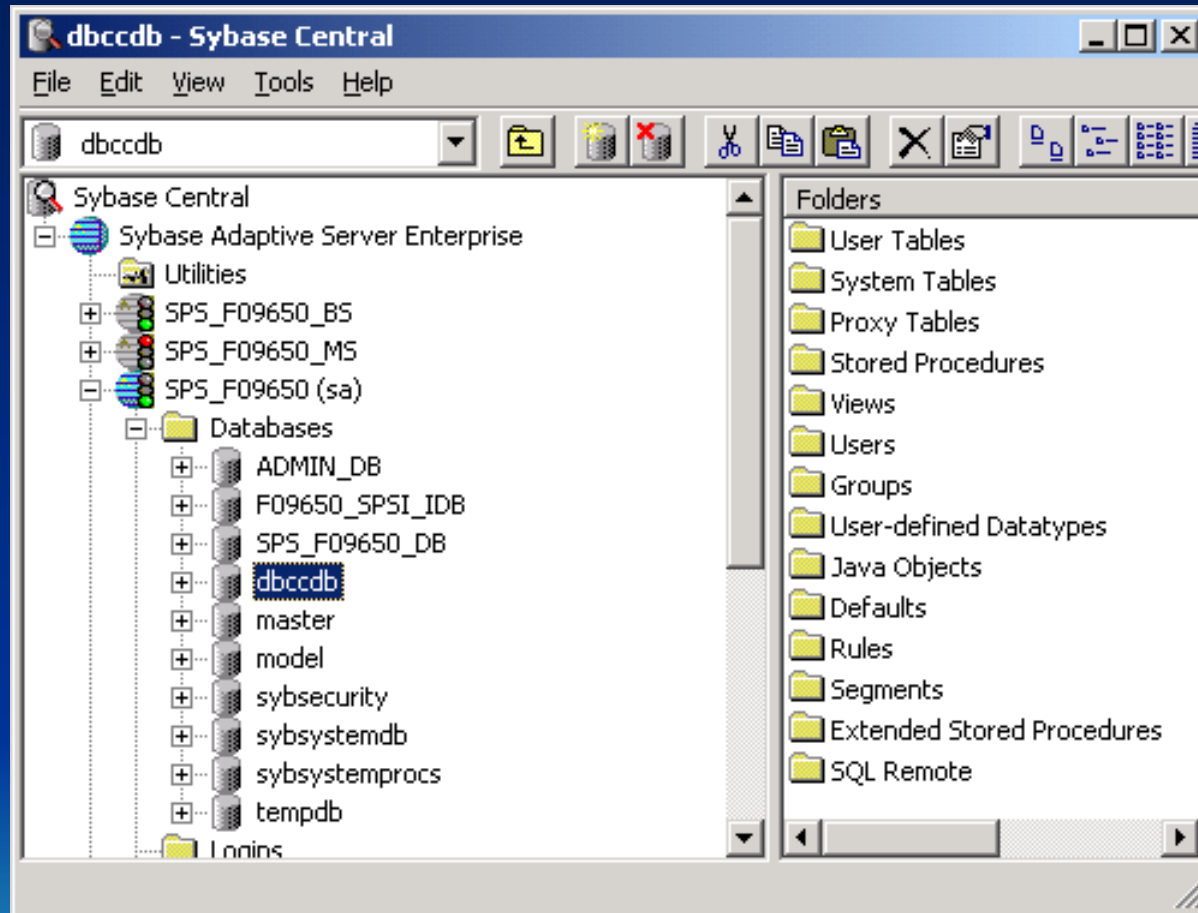
New Sybase System Databases



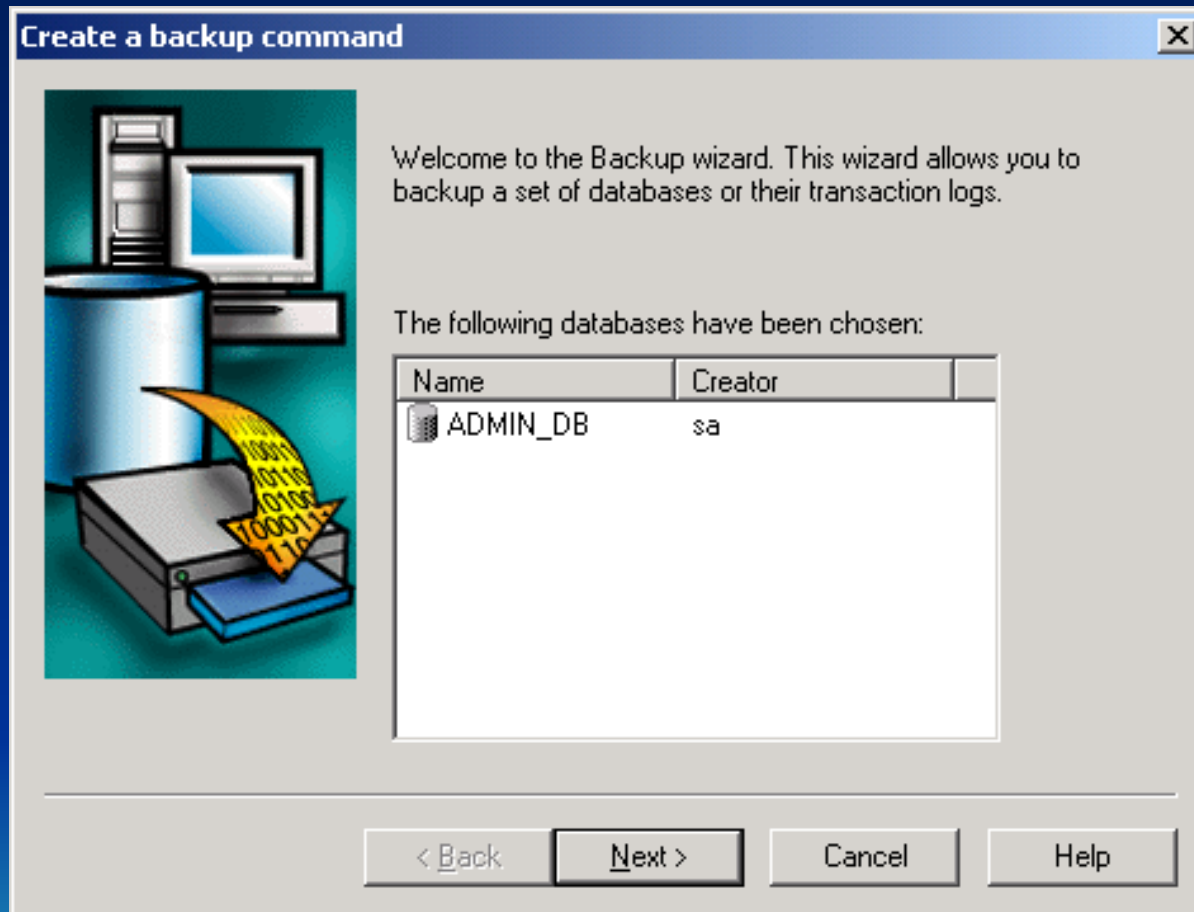
New Folders



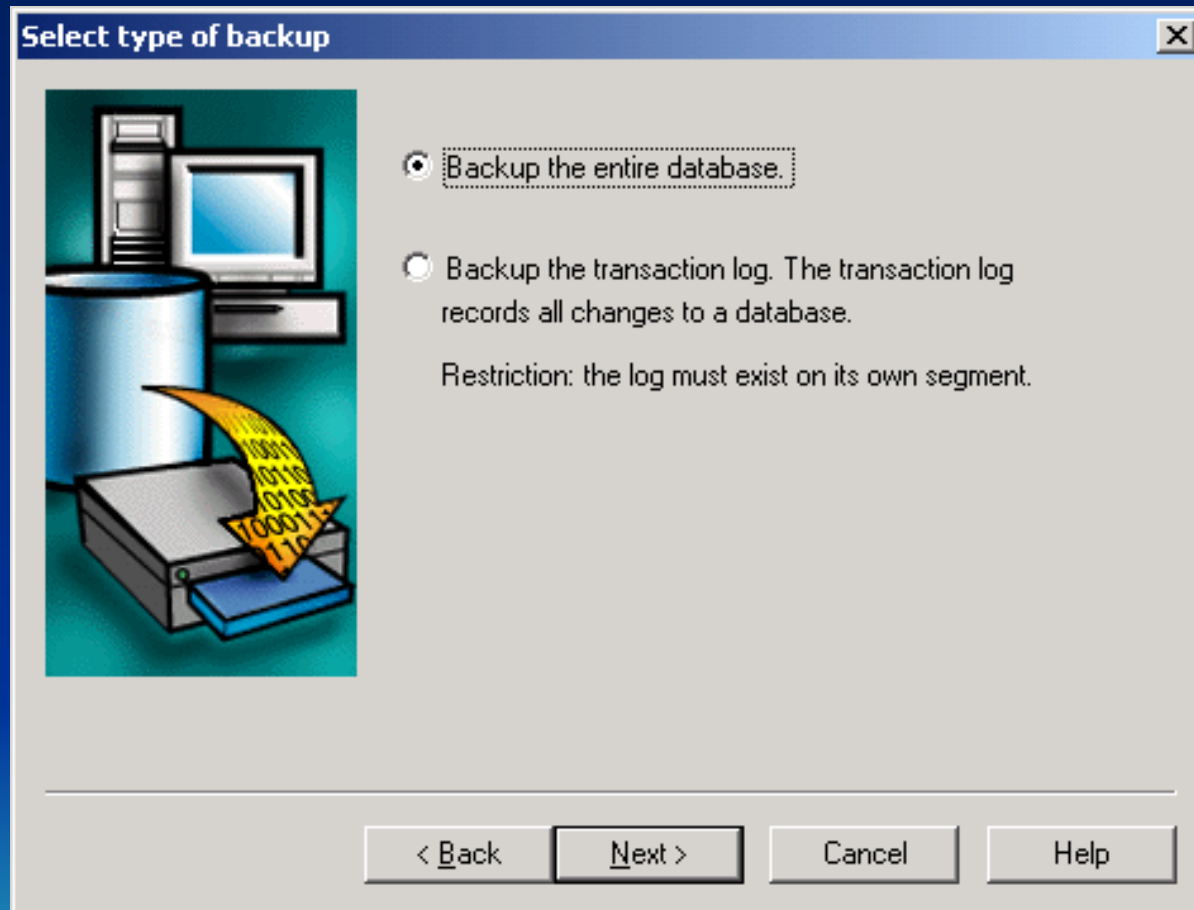
Changes to Dumping a Database



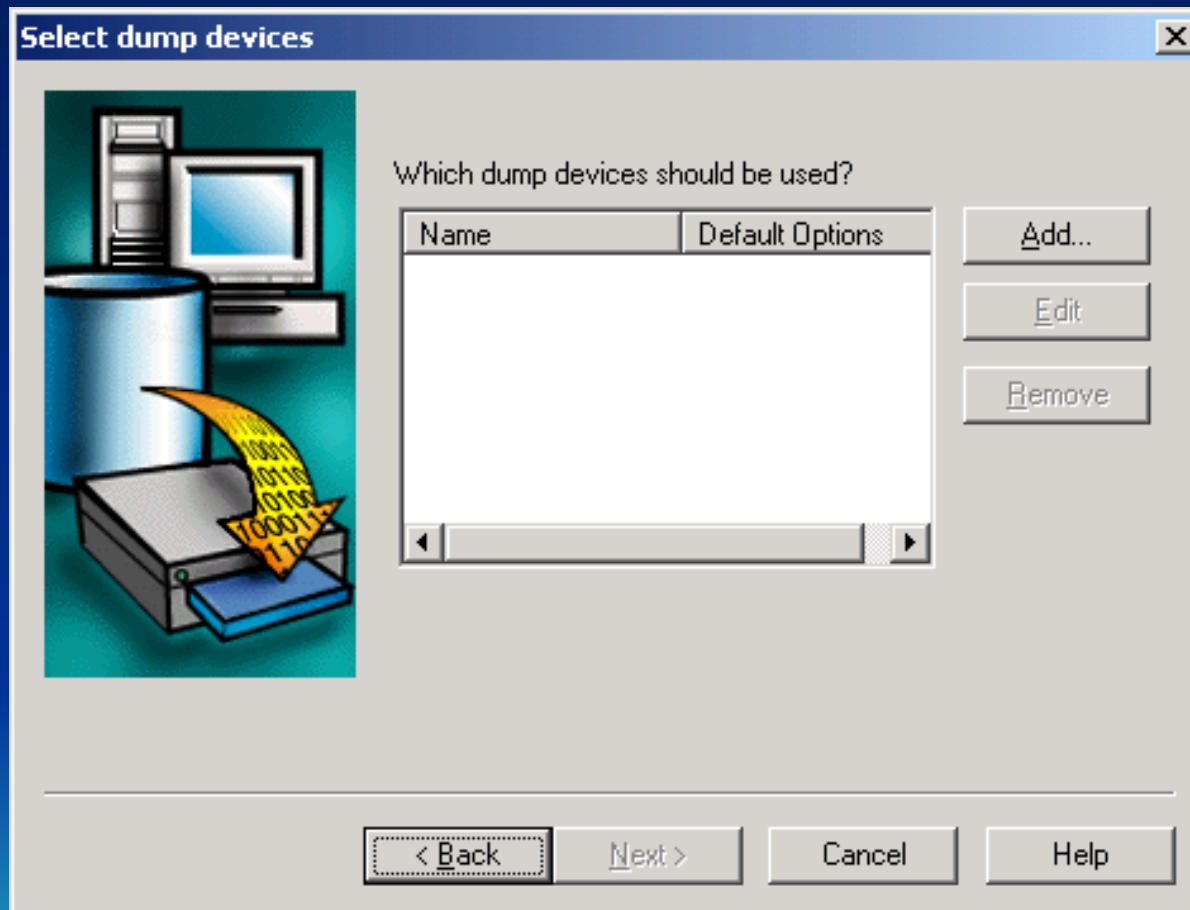
Dumping the ADMIN_DB



Nothing New Here



Nothing New Here



Nothing New Here

Select Dump Devices ? X

Dump Device

☒ Named dump devices:

<input type="checkbox"/> ADMIN_DB_BAC	<input type="checkbox"/> master_backup
<input type="checkbox"/> F09650_SPSI_ID	<input type="checkbox"/> model_backup
<input type="checkbox"/> SPS_F09650_DB	<input type="checkbox"/> sybsecurity_bach
<input type="checkbox"/> dbccdb_BACKUP	<input type="checkbox"/> sybsystemprocs_

☐ Explicit dump device

Physical Path:

☐ At Remote Backup Server:

▼

Tape Options

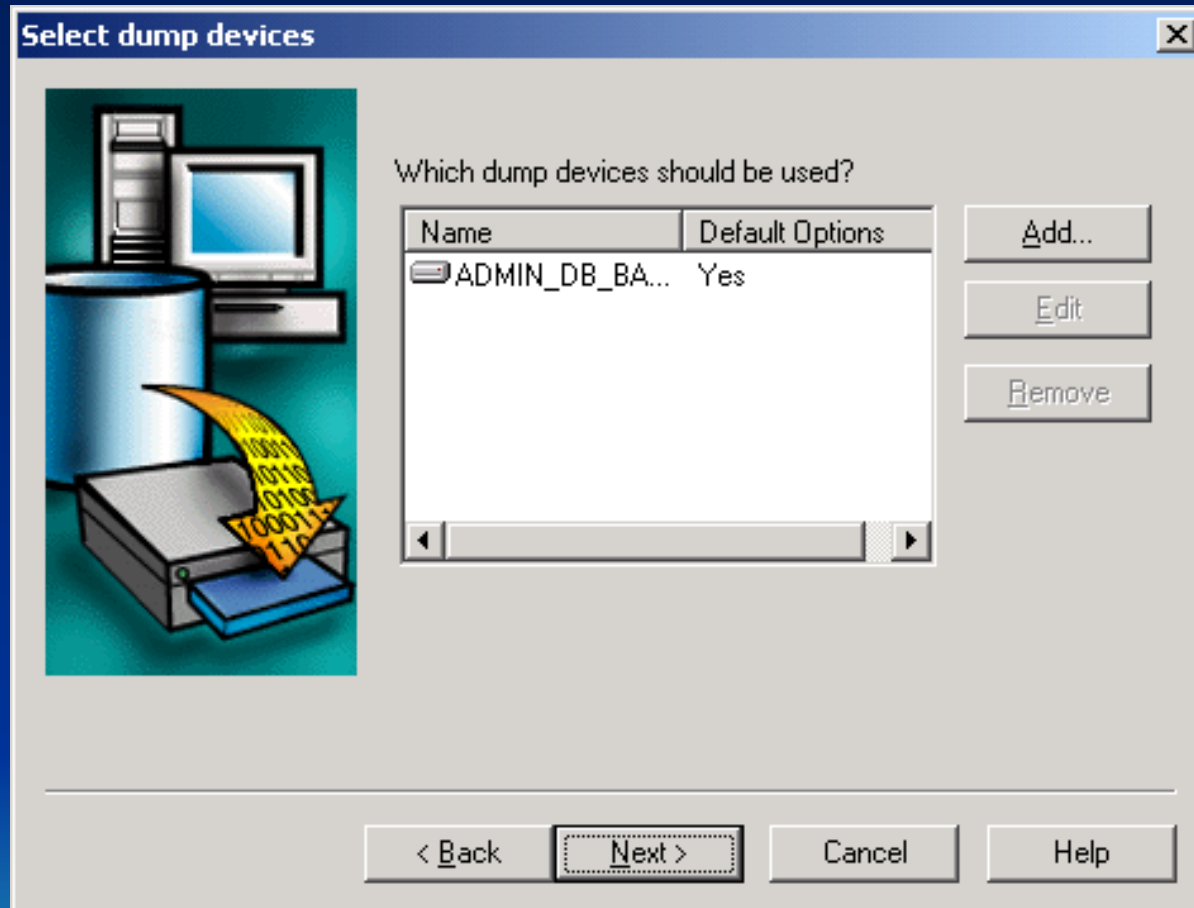
Volume name:

Block size: Bytes

Tape capacity: MB


OK Cancel

Nothing New Here



Nothing New Here

Select backup name [X]



You may enter an optional name for the backup. If you do so, the same name must be given during the restore process.

You may override the default data retention time. The backupserver will not automatically overwrite data unless it is older than the retention time

 Days

- ☒ Append backup to existing backups
- ☐ Rewind tape after backup completes

< Back


Next >

Cancel

Help

Whoa, What is This?

Choose the dump performance option



Configure the amount of data to be dumped. The performance varies depending on size of the data and the relative speeds of the database and dump devices. Please refer to the documentation on `sp_dumpoptimize` for details on this option.

- ☒ **Default** (Uses the default size - Recommended)
- ☐ Maximum (Dumps all the pages)
- ☐ Minimum (Dumps only the allocated pages)
- ☐ Advanced (Adjusts the thresholds controlling the amount of data to be dumped. Higher thresholds create smaller dump sizes, and vice versa)


Threshold values (in %)

Reserved Pages	0	Allocated Pages	0
----------------	---	-----------------	---

< Back Next > Cancel Help

Small Dumps But Takes Longer

Choose the dump performance option [X]



Configure the amount of data to be dumped. The performance varies depending on size of the data and the relative speeds of the database and dump devices. Please refer to the documentation on `sp_dumpoptimize` for details on this option.

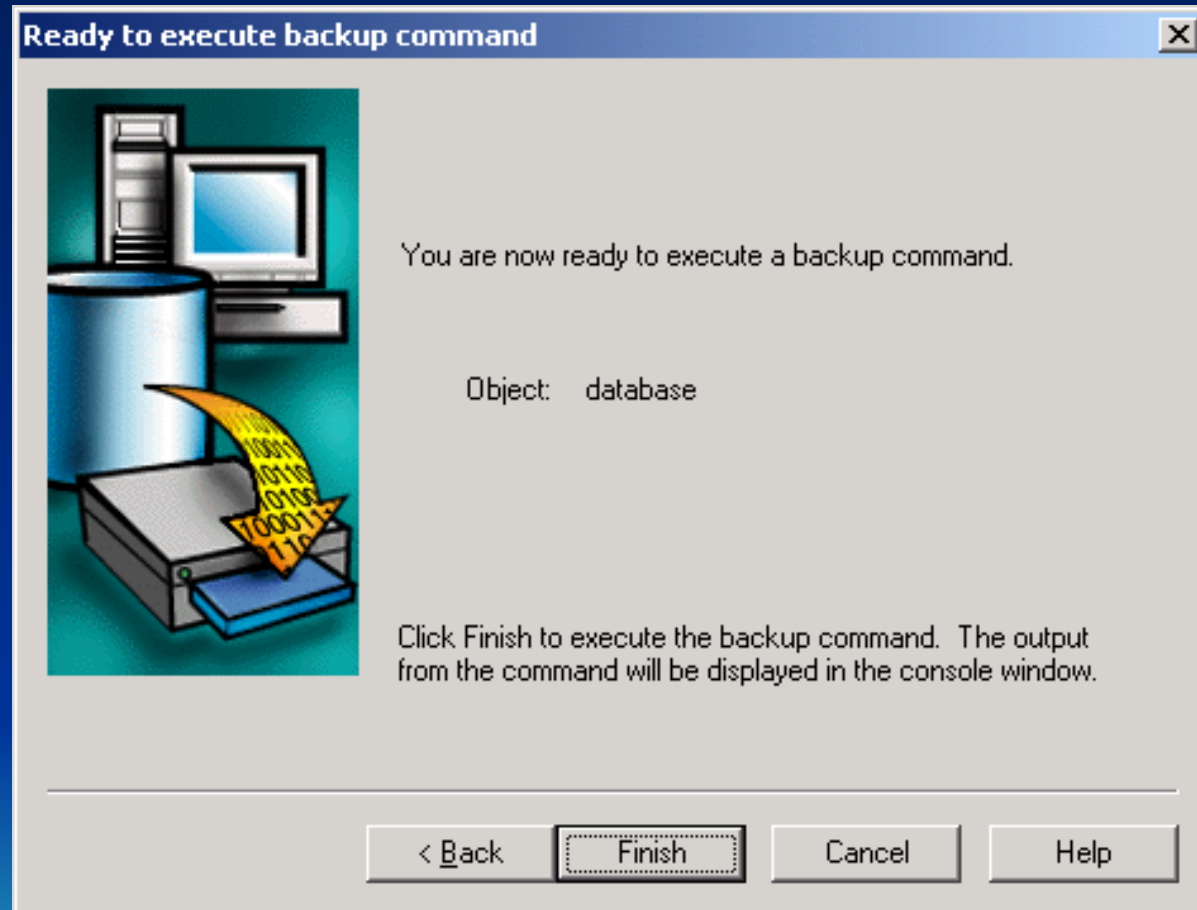
- ☐ Default (Uses the default size - Recommended)
- ☐ Maximum (Dumps all the pages)
- ☒ Minimum (Dumps only the allocated pages)
- ☐ Advanced (Adjusts the thresholds controlling the amount of data to be dumped. Higher thresholds create smaller dump sizes, and vice versa)

Threshold values (in %)

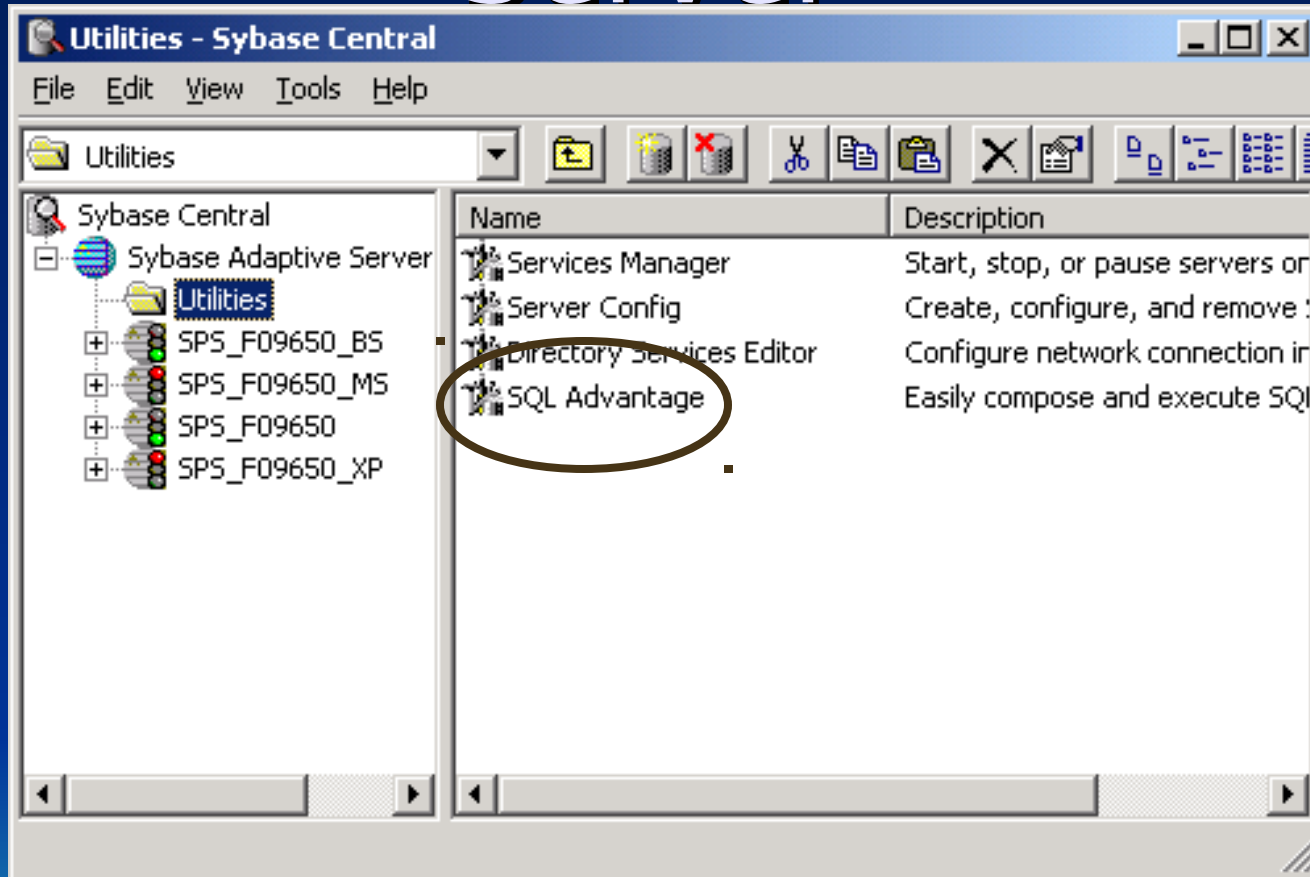
Reserved Pages	85	Allocated Pages	40
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< Back Next > Cancel Help

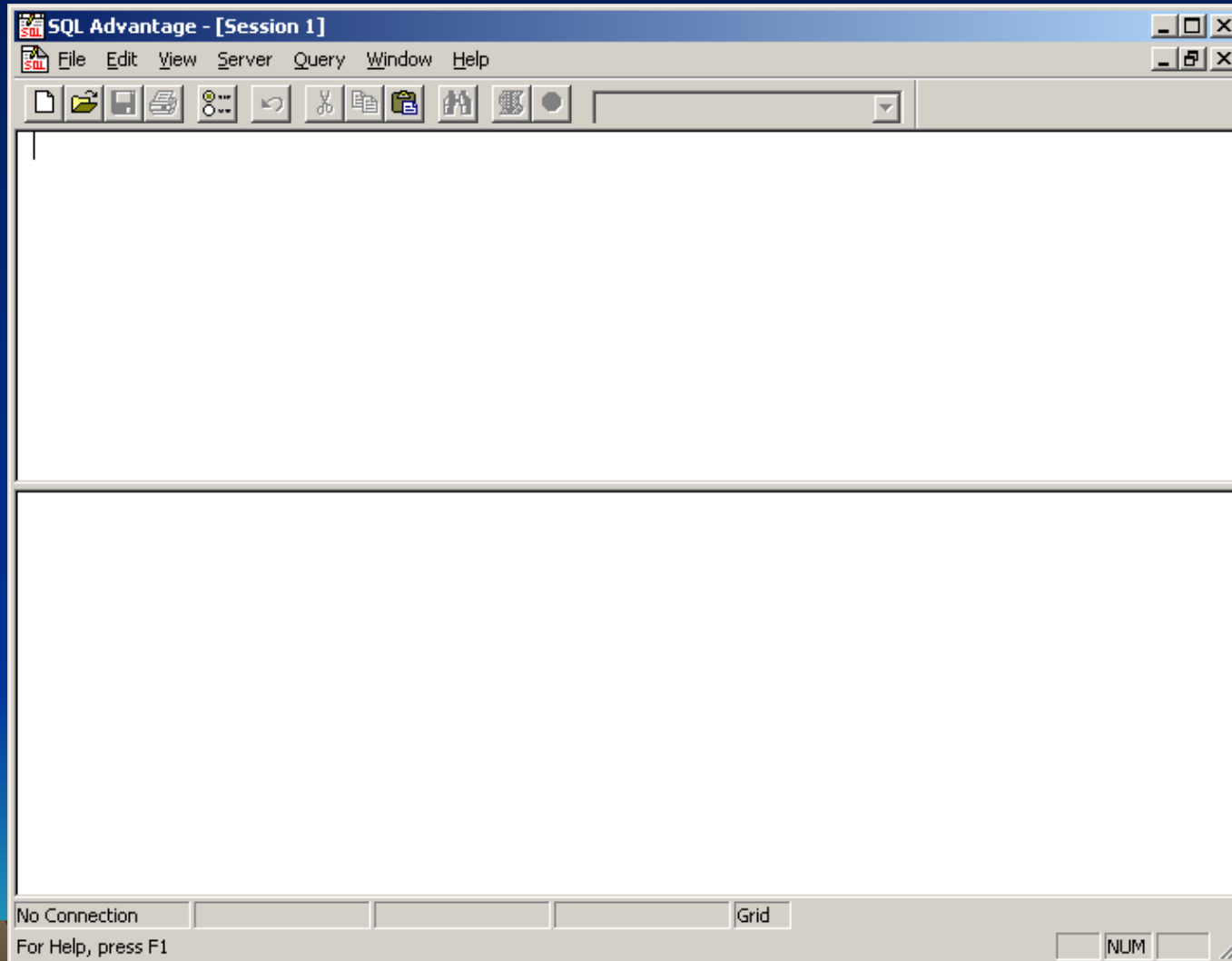
Nothing New Here



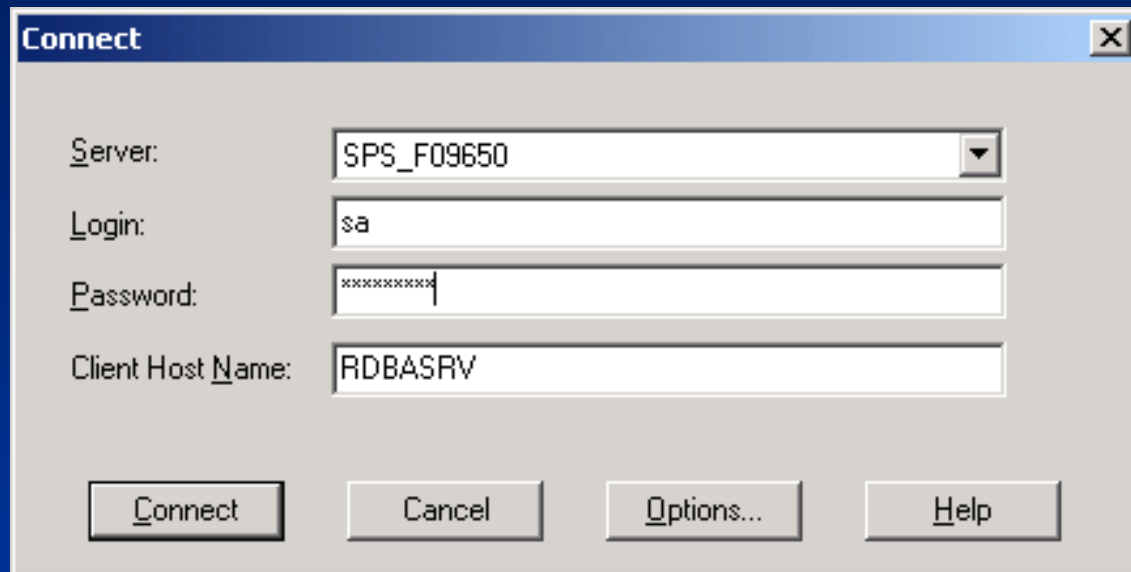
SQL Advantage Now on Server



Launch It



Login



Connect [X]

Server: SPS_F09650 ▼

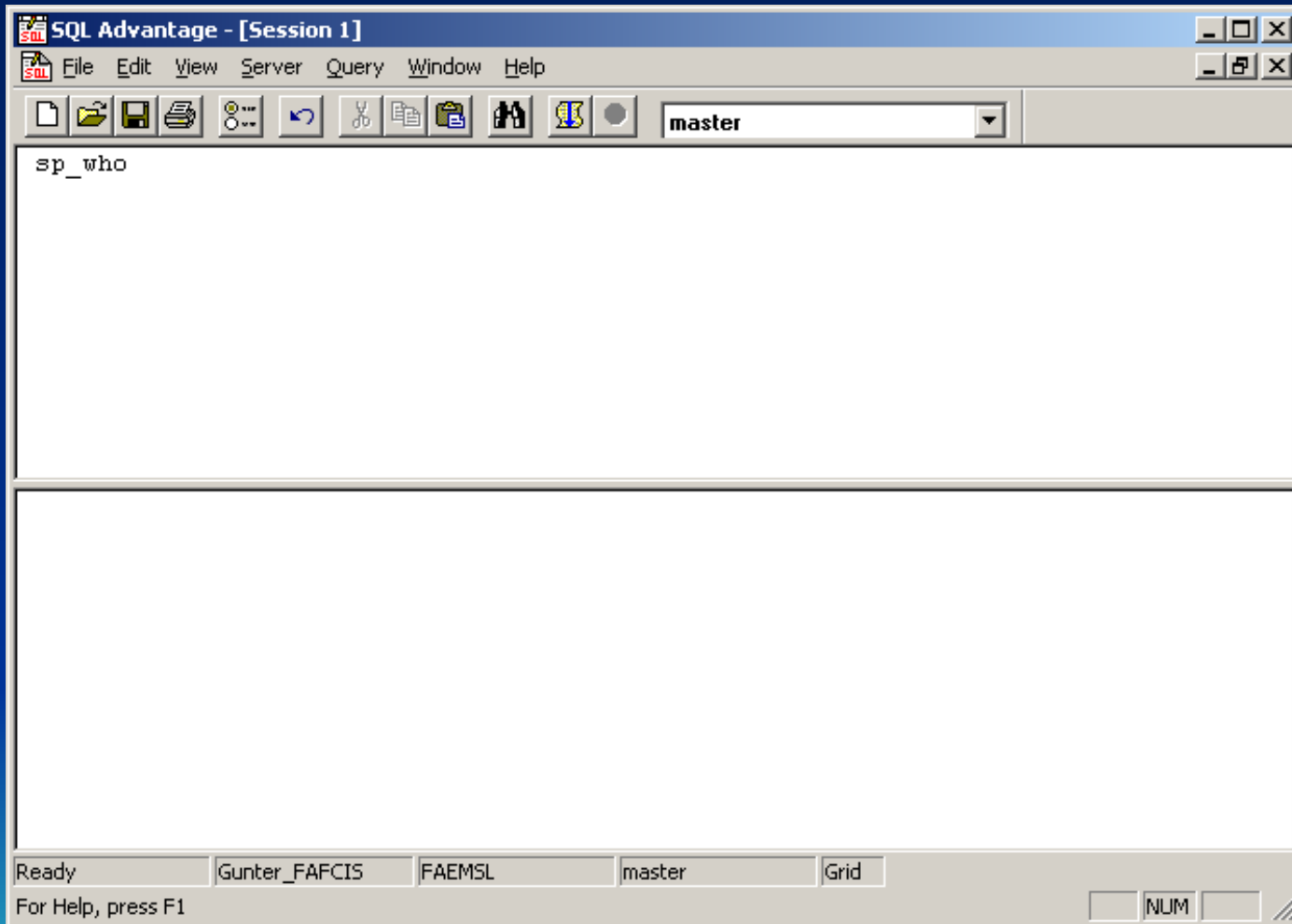
Login: sa

Password: xxxxxxxx

Clihost Name: RDBASRV


Connect Cancel Options... Help

Run sp_who



Run sp_who

Hard to Read This Output



SQL Advantage - [Result 2 From Session 1]

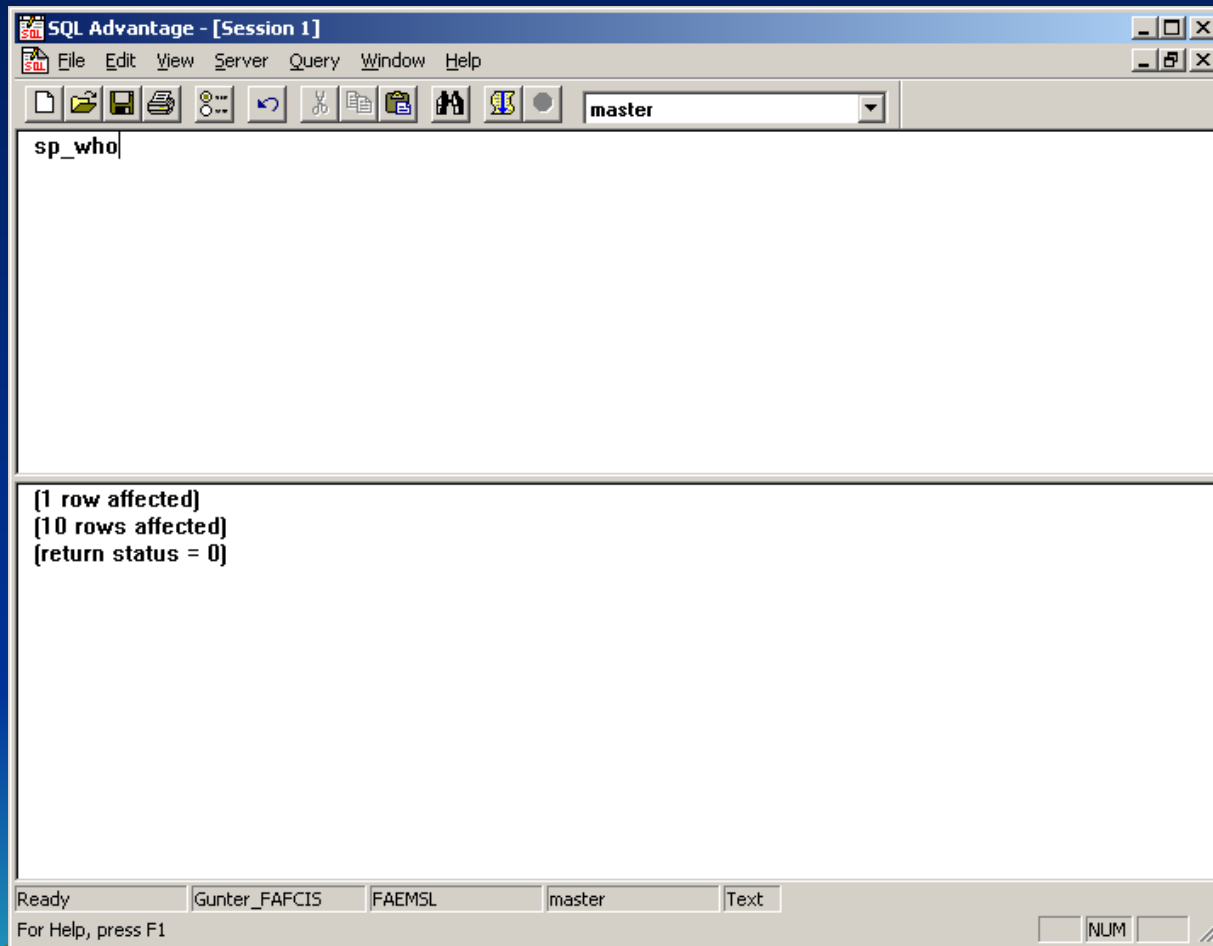
File Edit View Server Query Window Help

spid	status	loginame	hostname	blk	dbname	cmd
1	running	FAEMSL	WSPI-003	0	master	SELECT
2	sleeping	NULL	0	master		NETWORK HANDLER
3	sleeping	NULL	0	master		MIRROR HANDLER
4	sleeping	NULL	0	master		DEADLOCK TUNE
5	sleeping	NULL	0	master		HOUSEKEEPER
6	sleeping	NULL	0	master		SHUTDOWN HANDLER
7	sleeping	NULL	0	master		CHECKPOINT SLEEP
8	sleeping	NULL	0	master		AUDIT PROCESS
10	rcv sleep	banzm	0	DB_41BE_TINKER		AWAITING COMMAND
12	rcv sleep	Validat544	0	DB_41BE_TINKER		AWAITING COMMAND

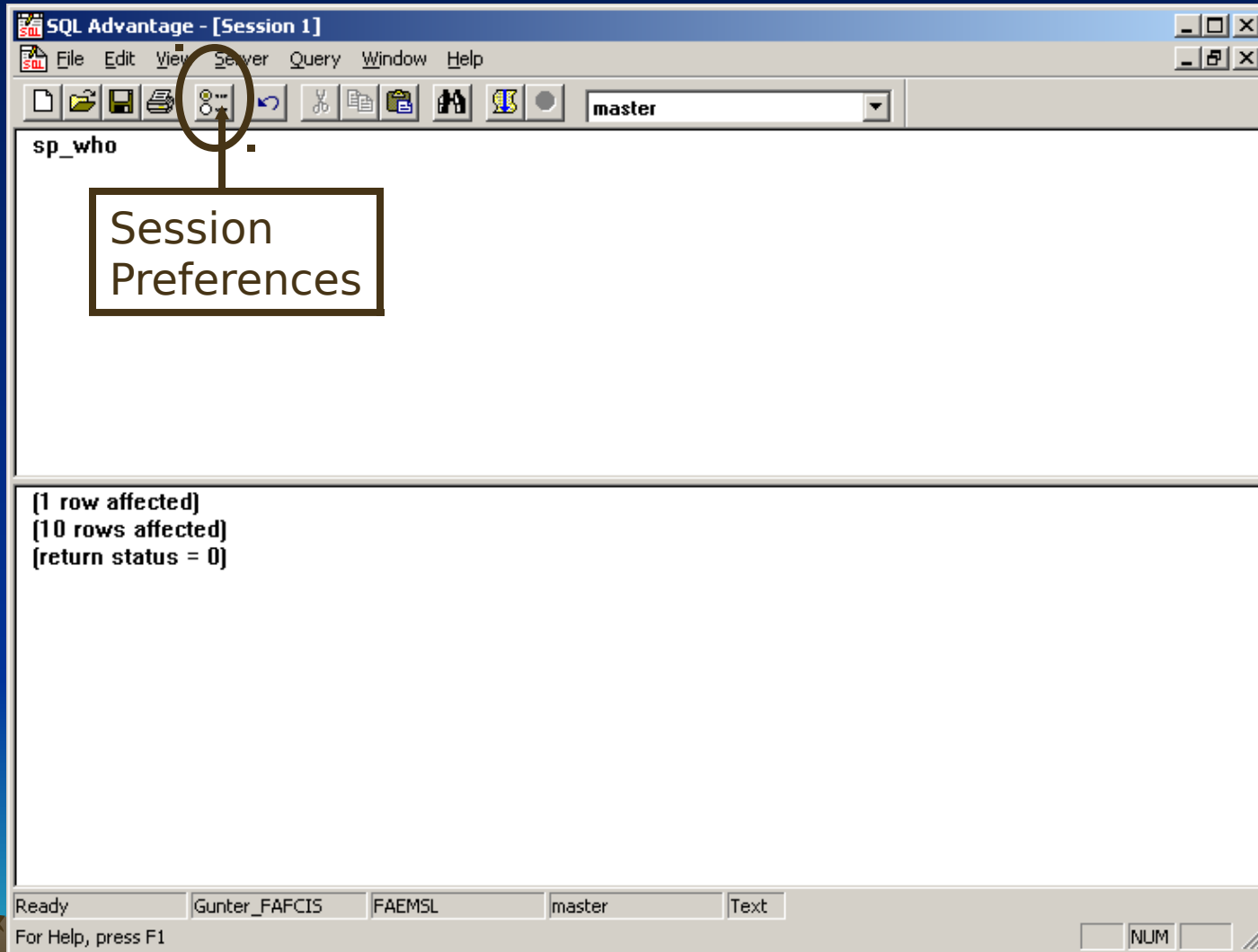
For Help, press F1

NUM

Back to the Query

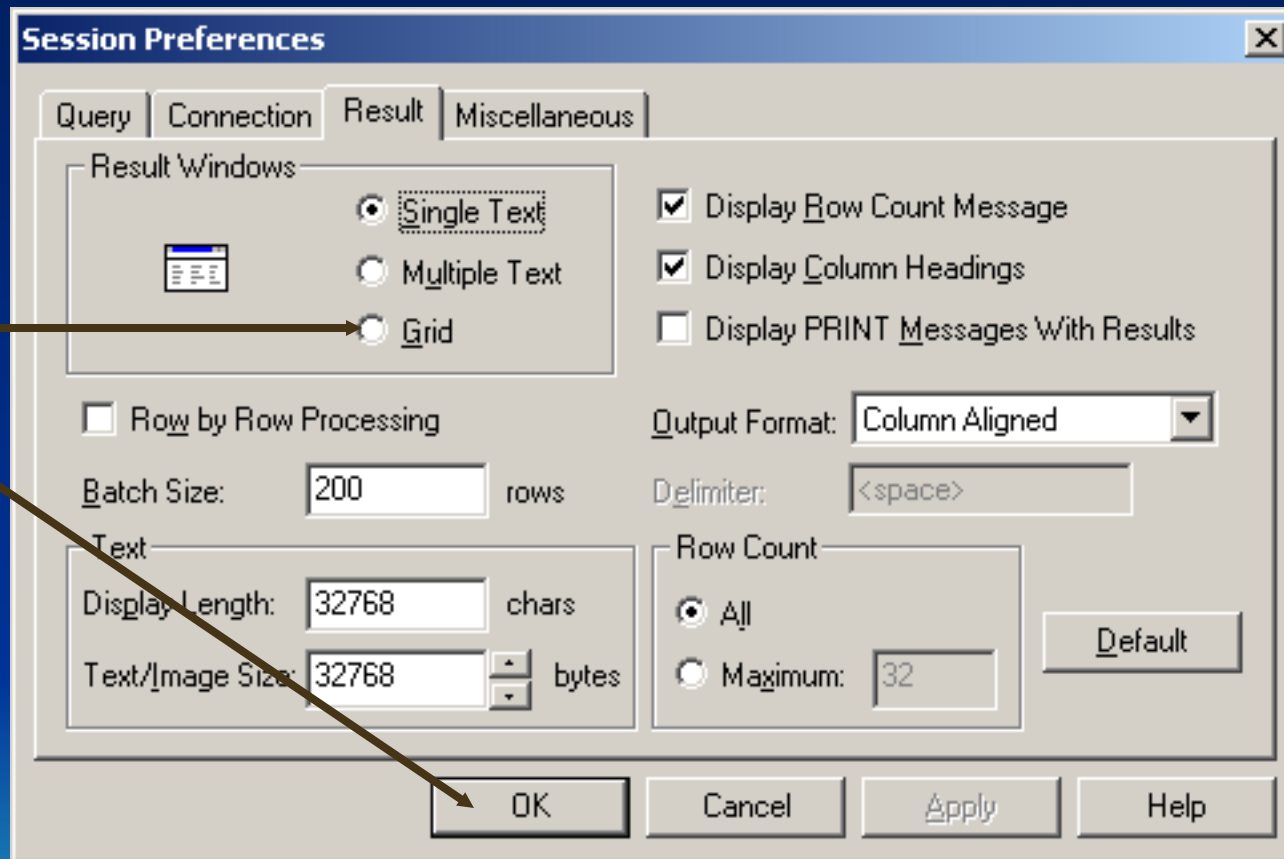


Let's Find a Better Way



Grid Makes the Output Look Like Excel

Change
to Grid
and
click
OK



Much Easier to Read

SQL Advantage - [Result 3 From Session 1]

File Edit View Server Query Window Help

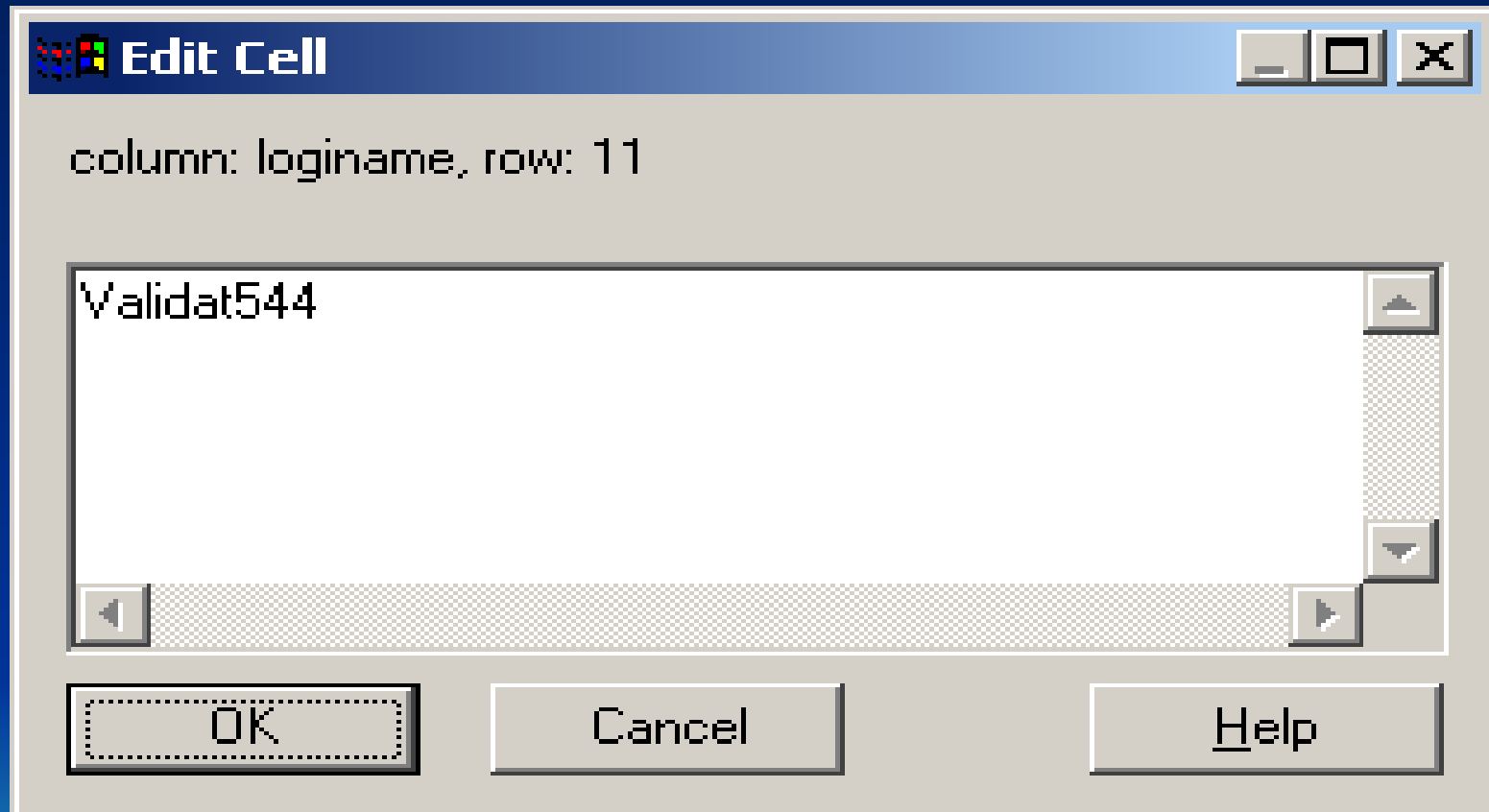
sp_who

	spid	status	loginame	hostname	blk	dbname
1	1	running	FAEMSL	WSPI---003	0	master
2	2	sleeping	NULL		0	master
3	3	sleeping	NULL		0	master
4	4	sleeping	NULL		0	master
5	5	sleeping	NULL		0	master
6	6	sleeping	NULL		0	master
7	7	sleeping	NULL		0	master
8	8	sleeping	NULL		0	master
9	10	recv sleep	banzm		0	DB_41BE_TINKER
10	12	recv sleep	Validat544		0	DB_41BE_TINKER

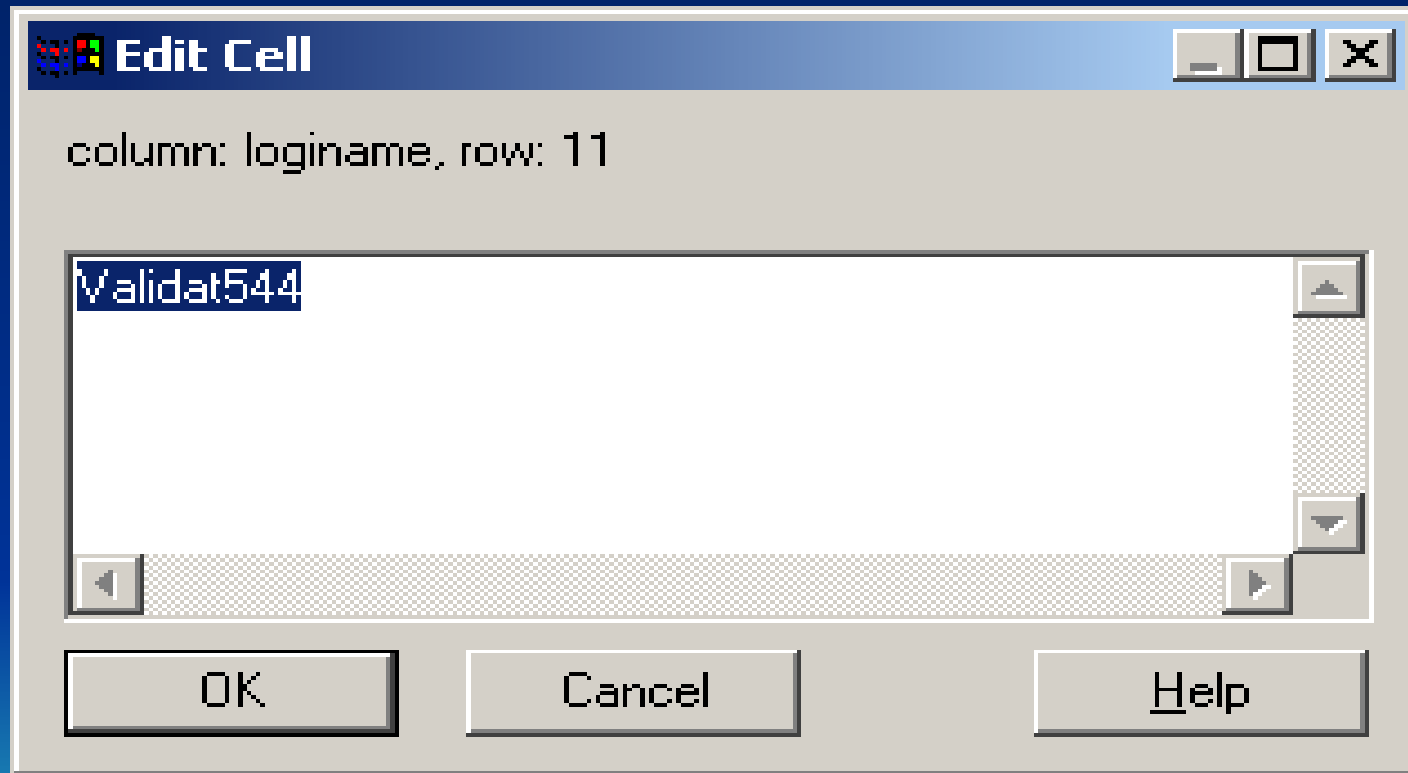
For Help, press F1

NUM

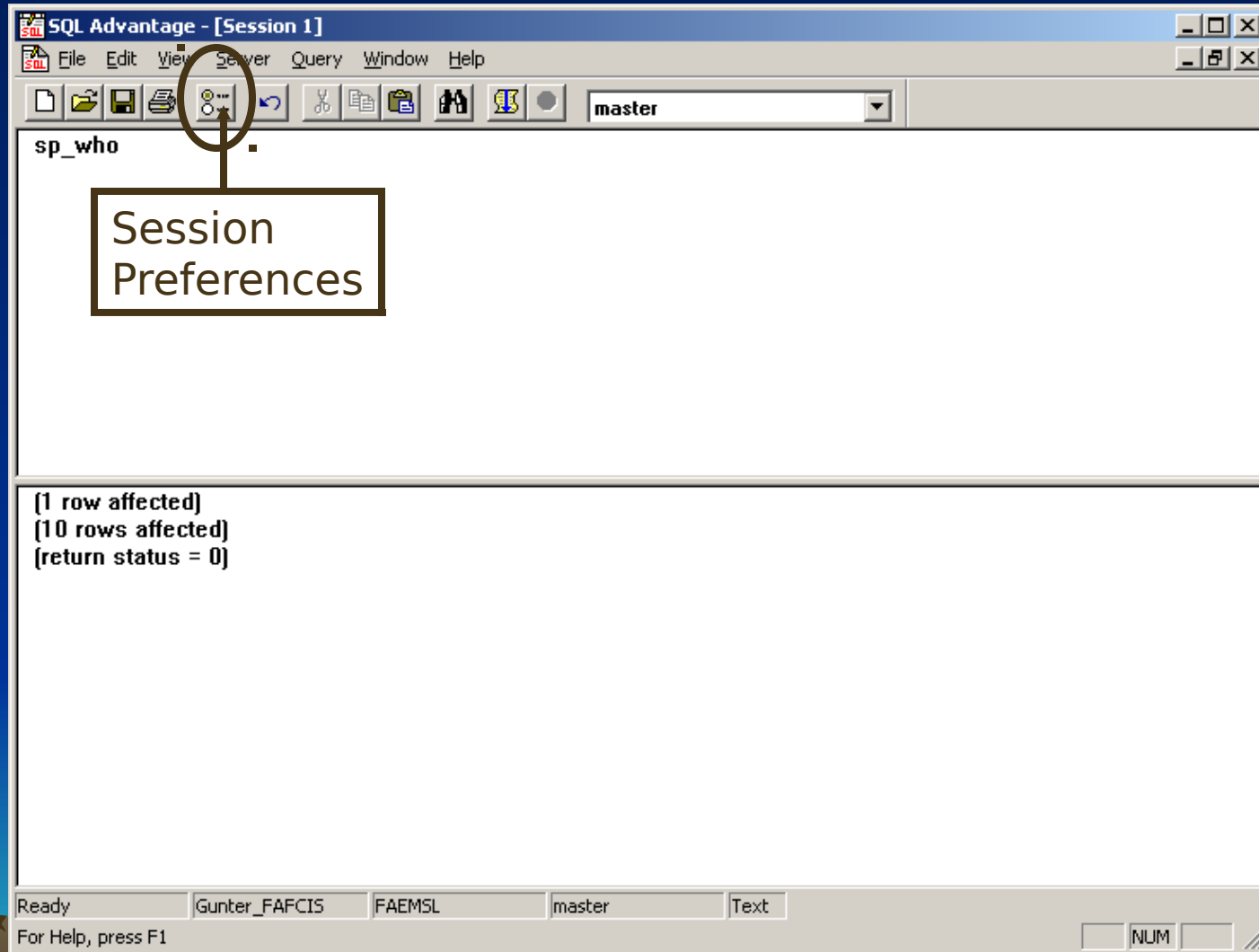
Copy Field by Double-clicking on It.



Select It and Copy It Paste It in Another Document



Let's Find a Another Way




Back to Single Text

Session Preferences [X]

Query | Connection | **Result** | Miscellaneous

Result Windows

☒ Single Text 

☐ Multiple Text

☐ Grid

☐ Row by Row Processing

Batch Size: rows

Text

Display Length: chars

Text/Image Size: bytes

Output Format:

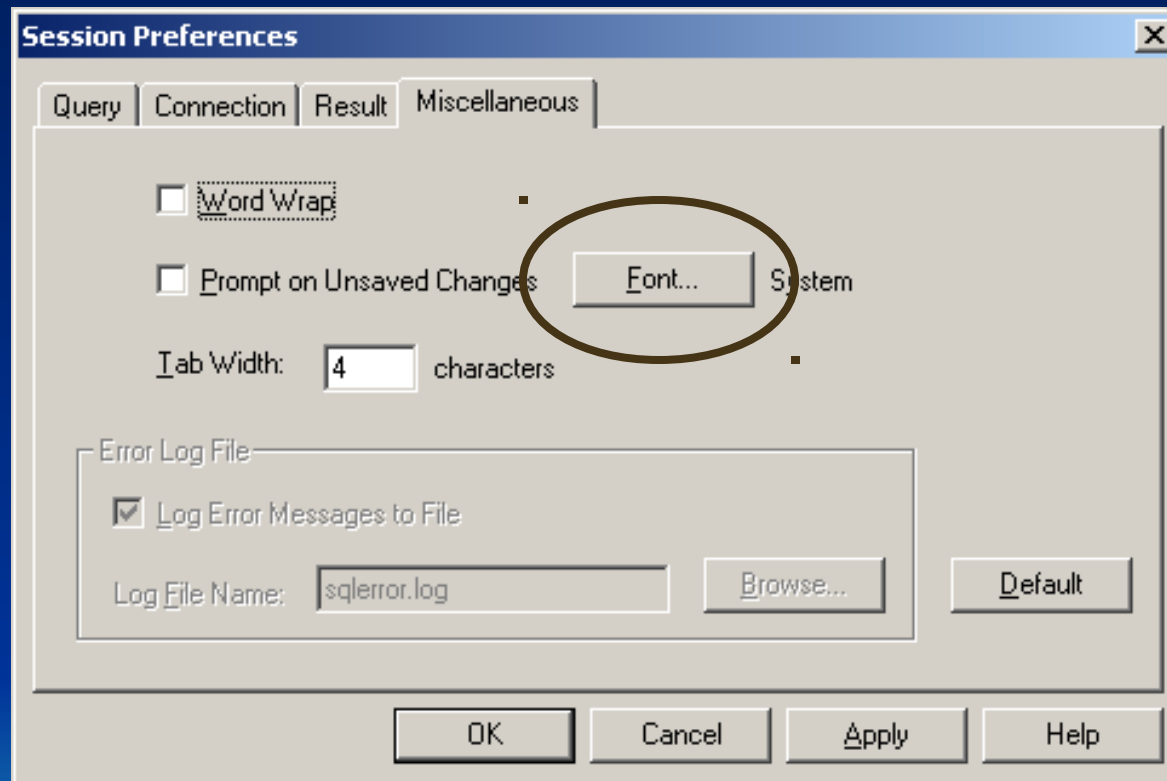
Delimiter:

Row Count

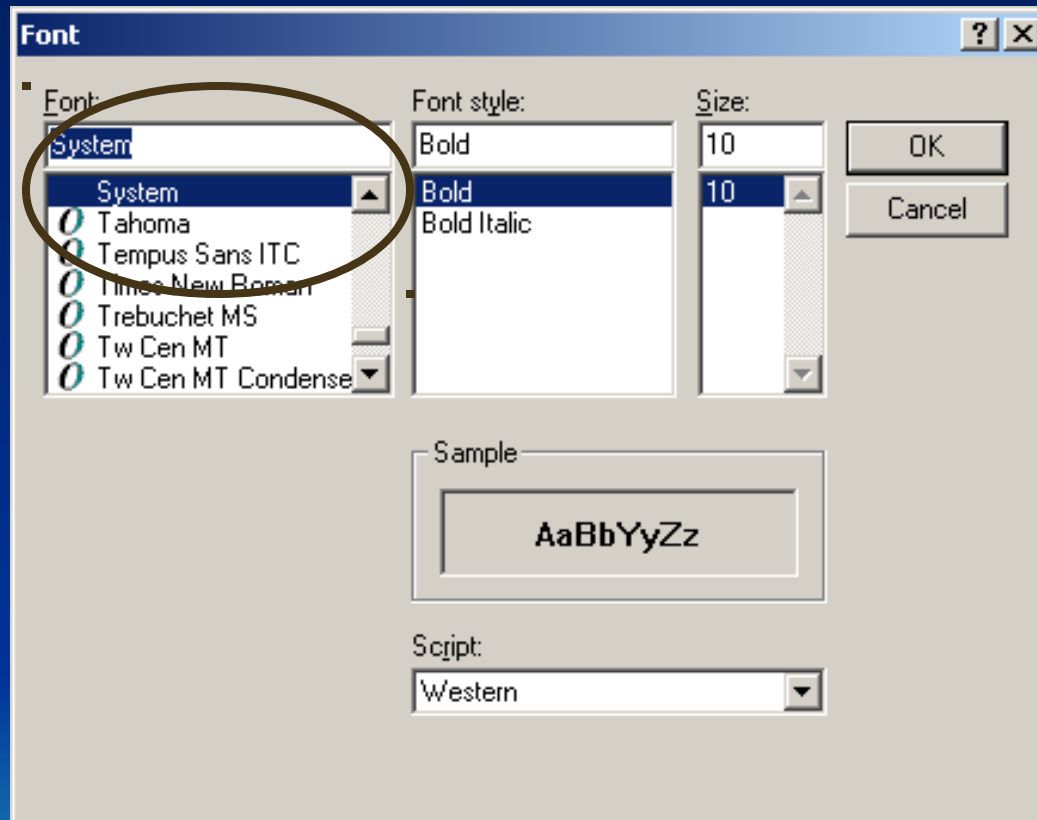
☒ All

☐ Maximum:

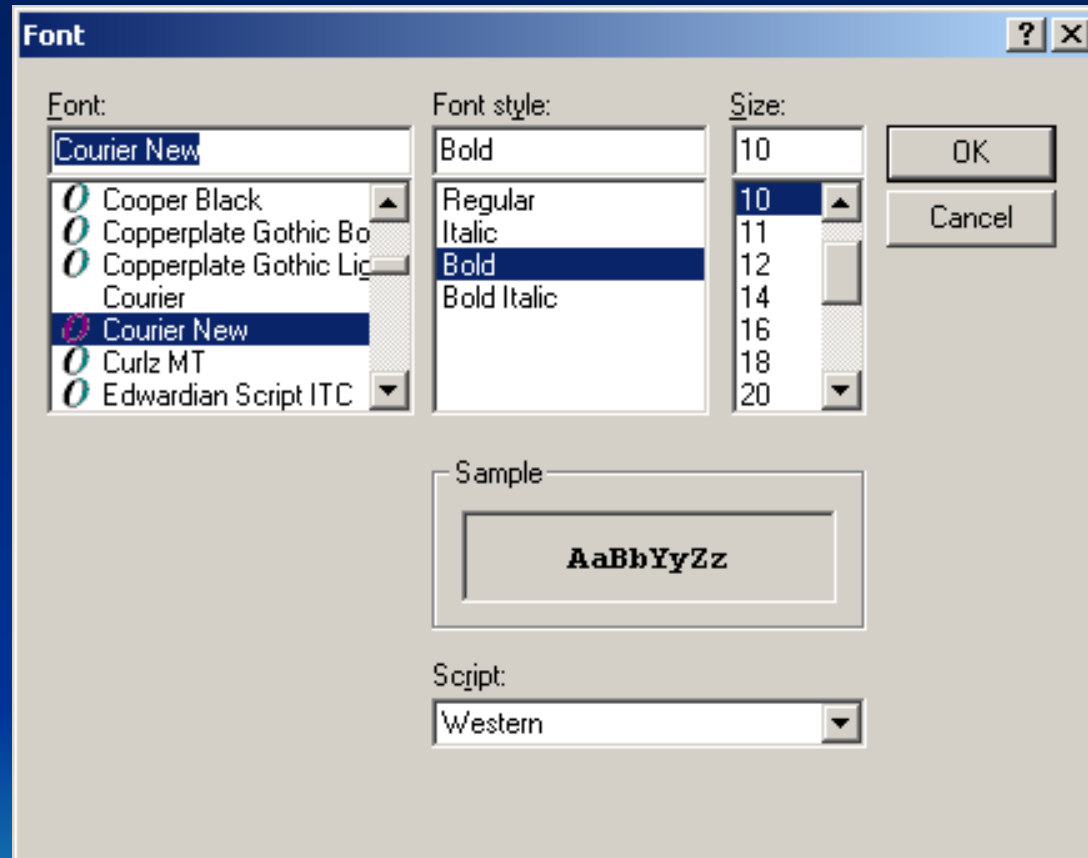
Miscellaneous Tab



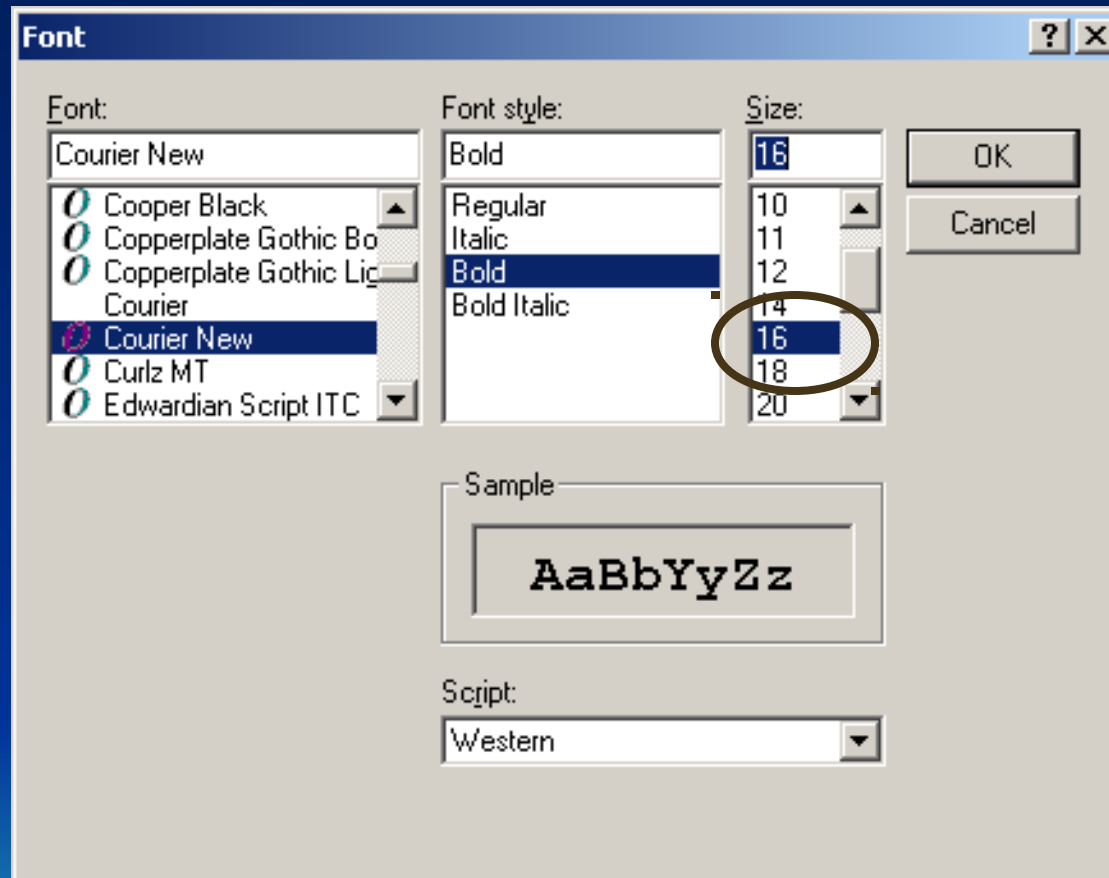
Default Font Setting



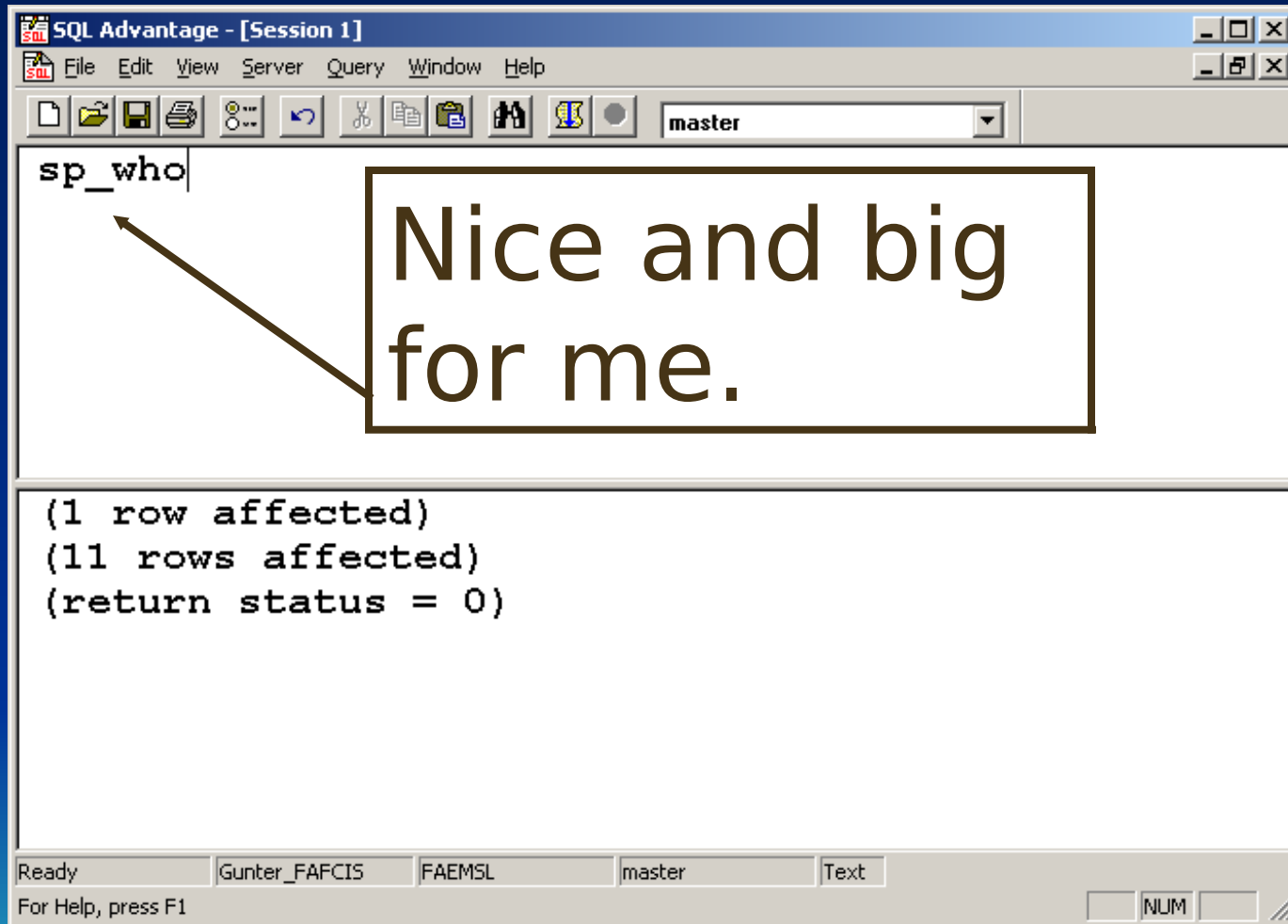
Choose Courier New



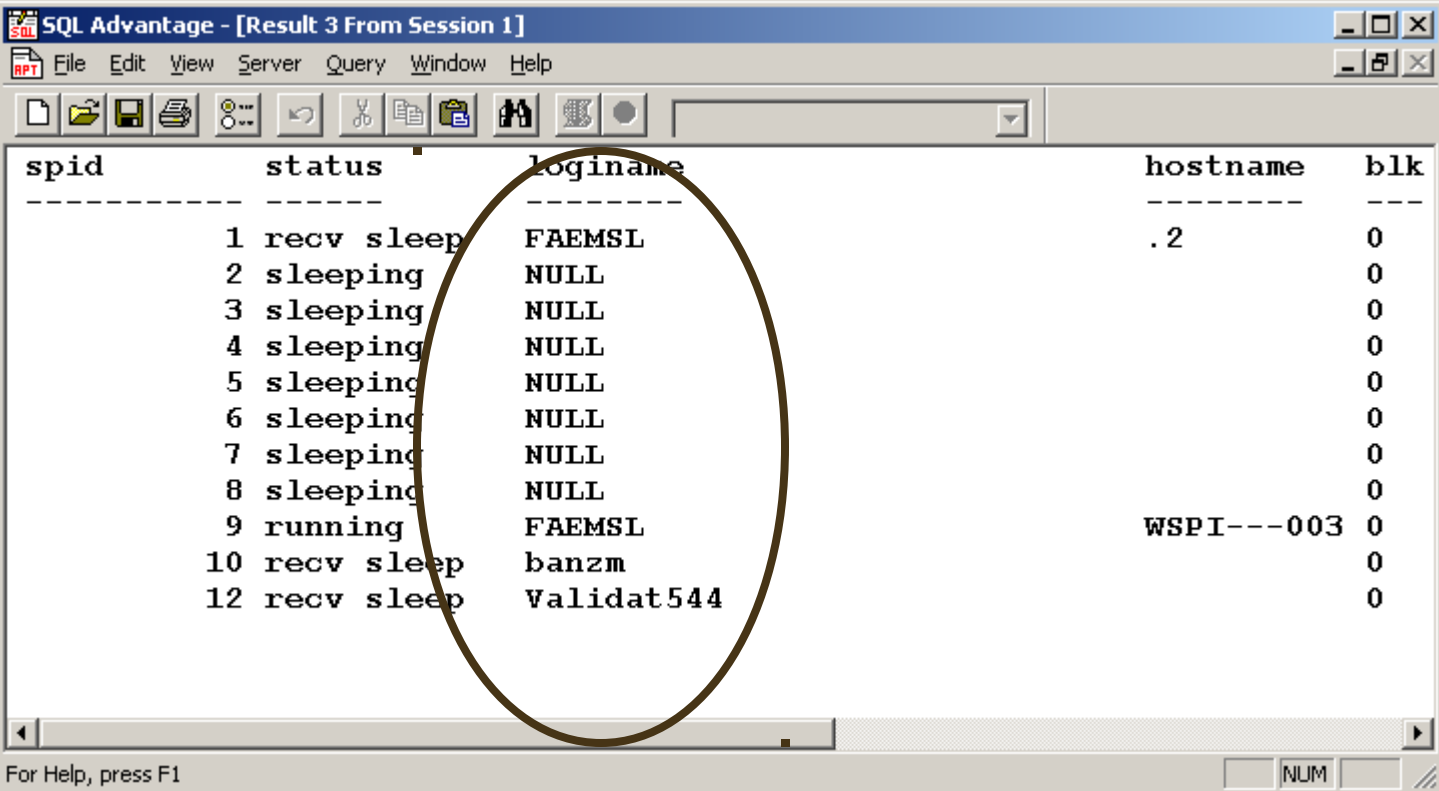
Old Guys Font



Back to SQL



Run the Query Columns Line up



SQL Advantage - [Result 3 From Session 1]

File Edit View Server Query Window Help

spid	status	loginame	hostname	blk
1	recv sleep	FAEMSL	.2	0
2	sleeping	NULL		0
3	sleeping	NULL		0
4	sleeping	NULL		0
5	sleeping	NULL		0
6	sleeping	NULL		0
7	sleeping	NULL		0
8	sleeping	NULL		0
9	running	FAEMSL	WSPI---003	0
10	recv sleep	banzm		0
12	recv sleep	Validat544		0

For Help, press F1

NUM

Reorg compact

- Sybase command that reduces the amount of unused space
- Used on DOL tables
- Makes dumps smaller by 'deleting rows'
- Reduces rate of database growth
- Run on weekends
- RDBAs will be rolling forward
- Will this help us?



Passwords Change every 90 Days

- New Requirement for 4.2
- The 'sa' login is now locked
- AMS doesn't set roles at install. No RDBA access
- Sa login is locked as well, add new 'sa' role type login in it's place



That's All Folks

- Questions?
- Contact me at DSN 596-6090
- Contact Larry Hutton at DSN 596-5969
- Contact Warren Whitby at DSN 596-1016

